



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the First Tuesday of each month.



PUBLIC SERVICE EVENTS

Interested in helping? Visit <http://www.rars.org/public-service.php>

frequently for our 2016 ham public service schedule.

RARS General Meeting

Topic: Basic Antennas, Bert Michaud, N4CW

Date: May 10, 2016

Time: Meeting at 7:30 p.m.

Informal gathering and refreshments from 7 - 7:30 p.m.

Where: Ridge Road Baptist Church. 2011 Ridge Rd., Raleigh

New HAM / Elmer meeting, 6:00 p.m. before member meeting

Tadd Torborg, KA2DEW, Elmer Coordinator

[Click here for more information.](#)

RARS President's Message

May, 2016

Let me start with one more update from RARSfest. Attendance was up slightly from recent years. Whether or not this is attributable to the non-holiday date could not be determined. Thanks again to all of the volunteers who made this possible as well as those who attended and patronized the dealers, vendors, and flea market sellers.

RARS volunteers are still hard at work even with RARSfest in the rear view mirror. The Extra Class license class is underway with several students hoping to upgrade their tickets soon. Good luck to

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RARS Officers

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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: **Second** Tuesday of each month

Location: Ridge Road Baptist Church 2011
Ridge Road Raleigh, NC, 27607

Time: People begin arriving at 7 p.m. The meeting officially begins at 7:30 p.m.

RARS Monthly Dinner

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the Golden Corral Restaurant, 6129 Glenwood Ave., Raleigh. Informal and Dutch, just bring your appetite and best rag to chew. 73, Chuck, K4HF

RARS Repeaters in Raleigh

146.640 and 444.525

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

There is a net Listing on the RARS website click here. <http://www.rars.org/nets.php>

VE Testing

The RARS VEs will accept walk-in testing in February, May, August and November at 5:30PM, prior to RARS membership meetings at Ridge Road Baptist Church; the RARSfest in April; the Cary Swapfest in July; the JARS-Fest in November; and following RARS license classes. Please bring a photo ID, your original and a copy of your current license, your \$14 exam fee, and any valid CSCEs that prove passing elements beyond that of your current license. Visit www.rars.org for more information.

President's Message continued

all of you and many thanks to the volunteer instructors.

The next big event for RARS is ARRL Field Day on June 25th and 26th. The Field Day team is in the planning stages and we are hoping for another successful event this year. If you have never attended or participated in Field Day, mark your calendars for a two-day ham radio immersion. Plans are underway to have a GOTA station on the site for those unlicensed, newly licensed, and inactive hams.

There are several public service events on this season's calendar. Please consider giving a few hours of time this season to assist with one or more of these events. Like Field Day, public service events are a great way to practice good radio skills in real world situations. Lastly, membership renewal time is around the corner. Now is a good time to renew your RARS membership for the year beginning on July 1st. For those who received complimentary memberships at RARS VE test sessions, we hope you have

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RARS May Birthdays

Pete	K4BLY	05/03
Matt	NC4SU	05/03
Julie	KM4JEN	05/04
John	KJ4JAS	05/04
Glenn	K4ABN	05/04
Ron	KJ4DNS	05/04
Liz	KO4CK	05/05
Larry	KG4FIQ	05/05
John	K3RHJ	05/06
Allie	KM4RMS	05/07
Tom	N4UAK	05/08
Wayne	K6TWX	05/08
Hank	K4HM	05/08
Nancy	KB1HIX	05/10
Brian	KA9QJT	05/10
Brian	KM4IFP	05/11
Bob	NC1X	05/11
David	KC4DFB	05/12
Chuck	AE4CD	05/12
Joe	KK4KZQ	05/12
Jeffrey	KM4KRW	05/14
Wally	NC1NC	05/15
Victor	KJ4ZJE	05/15
Cam	KU4VY	05/17
Chris	KE4TMO	05/17
Frank	W4NPN	05/17
Paul	KM4JEH	05/19
Tim	KM4JEI	05/19
Bill	AK4BL	05/20

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had a positive experience as a RARS member and will renew your membership for many years to come.

73 and Good DX,

Dennis, NC4DK

RARS May Birthdays

Larry	K1ZW	05/20
Joe	K4UOO	05/24
Lyn	WA4GEH	05/24
Fred	NC4FB	05/26
Courtney	KI4HOS	05/27
Mark	KM4OIZ	05/27
Jon	KM4PFL	05/28
William	KM4JPP	05/28
Vianne	KM4MMB	05/29
Neil	KM4JEL	05/31

New RARS Members

Gary Whitmore	KM4TCT
Gary O'Neil	N3GO
Jake Mouton	KM4TCH
Pamela Kelly	No License

April 12, 2016 RARS meeting

During the April meeting Rob Katz (K4OV) gave a presentation about his trip to the Bahamas for the 2015 ARRL DX Phone Contest. Rob went with Lee (N1BA) and both of their wives. Rob and Lee have been contesting together for a number of years and they decided to do some contesting from a DX location. It was a very interesting presentation on choosing a place to go. Finding a place to rent and what it was like before and after the contest. They placed first in the Multi operator, single transmitter low power category. They were also in the September 2015 QST article about the contest.

From Page 82 of the September 2015 issue of QST.

Few things in ham radio are as thrilling as high-rate phone contesting, with contacts coming as fast as you can unkey the microphone. It's even better when you do it from a relatively simple setup in a tropical location that makes you the hunted, complete with the sun shining, and a cool breeze drifting in from the Atlantic Ocean. That was ARRL DX Phone for Rob, K4OV, and his group's Field Day style Low Power Multi-Single win as C6ATF from the Bahama island of Eleuthera.



Rob K4OV

April 12, 2016 RARS meeting

During the April 12, 2016 RARS meeting Pam Kelly told us about the Teach Preparedness Early Program (TPEP). She is a Volunteer Mentor in the program.

Mark your calendars for June 18th. Attend the 1st Annual Back Me Up Youth & Family Emergency Preparedness Day at St. Paul AME Church AME Church in Raleigh. Support the Teach Preparedness Early Program and receive free admission to attend this breakthrough event. TPEP empowers our young people to be innovative, prepared, and resilient, through mobile app creating, film-making, and preparedness activities. For more information, visit YouthExplorationServices.org

Support the Teach Preparedness Early Project. We help our youth become Preparedness Strong life-long. Back them up! Visit [Youth Exploration-Services.org](http://YouthExplorationServices.org)

On June 18th, Murray, K4MHM will have an Amateur Radio booth there.



Pam Kelly, Volunteer Mentor - TPEP

April 12, 2016 RARS meeting



Ian, NOIAN, telling us about how we did with the RARSfest.



Bill, AK4BL (the winner) and
Dennis NC4DK handing out the prize



Kathleen, KM4CSF



Josh Thomas, KF4ZXK



Samuel Burgiss, KA4APE



Dennis NC4DK and Marty
W4MY (the winner)

Tar Heel Scanner/SWL SIG group

The Tar Heel Scanner/SWL SIG group met on March 21st at Red Hot and Blue restaurant on Falls of Neuse Road in Raleigh. Twelve people attended.

The topic of the meeting was Zenith Trans-Oceanic radios. Curt Phillips, W4CP, gave a presentation on the history of the radios and several Trans-Oceanic radios were brought to the meeting. The owners described their radios and demonstrated how they could receive. The meeting was enjoyed by all as we reacquainted ourselves with these great AM and shortwave receivers.

Meetings are held on the third Monday of each month. We meet at 6:30 for dinner and the meeting begins at 7:30 and ends at 9:00. For more information and announcements about the upcoming meetings, see the Tar Heel Scanner / SWL SIG Yahoo group (<https://groups.yahoo.com/groups/tarheelscanner>).

73, Kelly, AE4FG



New HAM / Elmer meeting,
6:00 p.m.

Before the member meeting.

The April New Hams meeting had thirteen new hams. These are hams licensed for less than one year. See the list below. Before the meeting we (AI4RT, KA2DEW, NC4FG) set up a 40m SSB station with a 1980s ICOM IC-735 radio and a dipole about 6' up in the trees in front of the building. The dipole was cut and installed in front of the church in about 10 minutes, hung from one tree, the side-walk railing and a no-parking sign. The radio is of a kind likely to be found on the used market for under \$300. We were running off of a 30 amp gel-cel battery. This demonstrated a really easy to establish semi-portable HF station for under \$400. Two new hams made their first HF contact to several hams in GA SC and NC. These were Peggy KM4SCN and Josh KM4RMZ. See the photo showing Peggy at the radio on the front porch of the Fellowship hall. KA2DEW was control operator.

John AI4RT did a presentation on Fox hunting. He showed a YAGI antenna, a small direction finding loop with attenuator, and a kit-built FOX which was used at the RARsfest for a Fox hunt contest. The group discussed holding a club fox-hunt sometime this summer.

We had several discussions including volunteering for Running radios in

support of bikathons, Mobile radio Installation and one about Baofeng radio configuration and durability

73 Tadd, KA2DEW

List of New Hams

Call Sign Name How long licensed.

KM4SCN	Peggy	1 month
KM4SCO	Mike	1 month
KM4DVE	Nathan	1.5 years
KM4PFT	Brandon	5 months
KM4RNC	Christopher	2 months
KM4KRV	Ryan	11 months
NC4FG	Fin	11 months
N4MN	Rob	8 months
KM4RMZ	Josh	2 months
KM4RNF	Emily	2 months
KM4NBO	Keith	2 months
KM4CSF	Kathleen	22 months
KM4TCT	Gary	1 week
KM4SCM	Mike	1 month
KM4RMQ	Jack	2 months

Elmers

AB4OZ	Alan	long time
AI4RT	John	long time
KA2DEW	Tadd	Long time



Peggy KM4SCN

Photo by Tadd, KA2DEW

Expeditioning with the NCQP

By

Charles Swindell, WB4DCM

All of my family is from Hyde County, NC. It is not the end of the world, however, you can see the end from there. Look on your NC highway map at 264E near Englehard.

So, when the NCQP was coming up, I began to make plans to operate portable from Hyde County. My sister and her husband purchased my grandparents old home place which my grandparents had purchased in 1904. The house is so old that the original construction date is unknown. My father said that the small windows were to keep the Indians from coming in at night.

The first step was to take a quick trip to Hyde to measure the distance between trees to ensure that we could hang the G5RV antenna. Sure enough, just right. Since my sister and her husband close up the house in the winter and come to Raleigh, we needed shelter and a source of electricity. My buddy Ted had a camper trailer and also a Honda 2000 watt generator. Things are coming together.

My wife's cousin John, a dentist, is interested in amateur radio and expressed a desire to join the expedition. Great. Now I have a camper to operate

out of, a generator, and a relief operator/logger. Life is good.

Believe it or not, but Englehard has a motel. Well, a motel of sorts. They are little cabins up about 8 feet off the ground. Reserved a cabin for the 3 of us for Friday, Saturday, and Sunday of the NCQP weekend. Friday was getting there and setting up the camper and generator. We also got the G5RV up in the air. Had loads of fun untangling the rope. Wind was blowing and it was plenty cold. Saturday AM could not get my IC-7410 to operate at normal power. I will deal with it later as Marty, W4MY in Greenville wanted us to come over and help with his antennas.

While at Greenville, Marty asked if the power settings on my Astron VS-35M was full setting. When we got back to Hyde that evening sure enough, that was it. Have you ever felt like a dumb-ass?

Sunday was rock and roll. It was like being my own DX station. We had so many stations calling us that it was impossible to work them all. Got 34 counties, 12 states and one Canadian providence. Unfortunately, John had patients coming in Monday AM so we had to QRT about 2:00 PM and get started home. In spite of the wind and cold, it was a great time. Glad we did it.

Education Director

Our next course is the Technician which will start Aug 6 and will go for 4 straight Sat mornings 8:00 to 12:30. Refresher Course: Been a long time since you got your last license? Need to keep up with Amateur Radio technology since then? We are now offering RARS members who have a license a chance to refresh their memories and upgrade their knowledge. Take one of our courses – free! Course must be the same level of your current active license. Contact: education@RARS.org

Shirts and Patches

The Board is reviewing a sample of a shirt that is being considered. We hope to have samples at the next RARS Member Meeting. We have run out of our current patches and have started the process of getting those made again.

From Murray K4MHM



Exciter Fonts

Your editor noticed that when reading the Exciter online it was not always very clear. I thought some of the fonts had been changed and were fuzzy. I did some comparing to the original pdf file and determined that the problem was the zoom level in the browser. It was set to 75%. After I changed it to 100% the font fuzziness went away.

73 Tom, N4TL



One Used Yaesu FT-101EE Transceiver	\$350.00
33' of #14 avg Antenna Wire	\$2.64
Two 1 1/4" Green Ceramic Insulators	\$1.00
100' of RG-213 Coax Cable	\$37.00
One 8' Copper Clad Ground Rod with Clamp and Strap ...	\$15.00

Realizing You Don't Need The Internet To
Communicate Around The World
PRICELESS!!
When All Else Fails There Is Amateur Radio

Interesting Websites

2010 ICOM Factory Tour

<http://www.nsarc.ca/hf/icom2010.pdf>

DX Megadepeditions

<http://www.gdxf.de/megadxpeditions/honorroll.php>

73 Magazine archives

<https://archive.org/details/73-magazine>

NCDXF newsletter

<http://www.ncdxf.org/newsletters/2015-AUTUMN.pdf>

Voice of America towers coming down

<https://www.youtube.com/watch?v=Zcsbny8PFZw&feature=youtu.be>

Future Hamfests

A full list of Hamfests can be found at the [ARRL website](#).

05/28/2016 | [DurHamFest](#)

Location: Durham, NC

Type: ARRL Hamfest

Sponsor: Durham FM Association (DFMA)

Website: <http://dfma.org>

07/16/2016 | [Mid-Summer SWAPFEST](#)

Location: Cary, NC

Type: ARRL Hamfest

Sponsor: Cary Amateur Radio Club

Website: <http://www.qsl.net/n4nc>

09/03/2016 | [North Carolina State Convention \(Shelby Hamfest\)](#)

Location: Shelby, NC

Type: ARRL Convention

Sponsor: Shelby Amateur Radio Club

Website: <http://shelbyhamfest.org>

Minutes

Raleigh Amateur Radio Society Board of Directors Meeting March 15, 2016

1. The meeting was called to order by Dennis NC4DK at 7:08 p.m.
2. Present: Dennis NC4DK, Karl W4 CHX , Murray K4MHM, John KI4RT, Charles KM4AMT, Bill AK4BL, Greg KE4PAX , Raymond NC4OO, Chuck D. W3WZN, Joanne AK4RJ, Hank K4HM and Chuck L. K4HF. The 13 present constituted a quorum.
3. The minutes of the February 16, 2016 meeting having not been distributed to the full board, no action was taken.
4. Treasurer's Report:
 - a. Greg KE4PAX reported 412 members, 56 new in 2016 including 27 complimentary members. For other details see Greg.
5. Directors' Reports:
 - a. Public Service Director John AI4RT: There have been inquiries for the Balloon festival in Fuquay. It is a three day event. It can be hard to recruit volunteers for long events. We are not certain what help they may want but John will meet with one of their organizers to determine same.
6. Other Reports:
 - a. Education: The General Course is in its last week. The Extra class will have seven sessions over 9 weeks beginning in early April.
 - b. Scouts: Charles KM4AMT will meet with scout marketing director to see about materials for the table at RARSfest. We may have 8 scouts at the scout operating station at RARSfest
 - c. Exciter: NC4DK reminded that the deadline for the Exciter is the last few days of the month. Tom N4TL may store a template for the Exciter on the club website.

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- d. Food service: Joanne AK4RJ reports that the donations for the food table at meetings match the expenses “most of the time”.
- e. ARRL: Karl W4CHX reported that the proposed 630m low frequency allocation is beginning to get attention from parties in favor (amateurs) and against (power line users) In North Carolina we have a member of the 630m experimental group in Greenville who is reasonably close; we should invite him to present at a future meeting if the allocation happens.
- f. Webmaster: Hank K4HM reported three problems on the website which have been fixed. The site ran out of space so more space was obtained. A UPS failed. During the NCQSOP the new applications page failed to respond to applicants. Deltaforce reset the server and the problem resolved. K4HM has been busy cleaning up the error log.
- g. RARSfest: Chuck K4HF: There are no outstanding issues with RARSfest. The date not being a holiday weekend, there will be many more events nearby than we usually see, including food trucks. Parking may be tight in the mid-morning, affecting our visitors.
- h. Murray K4MHM: The contingent of Boy Scouts at the youth station will go to a church event about noon. He hopes that others will fill in for them.
- i. Field Day: Dennis NC4DK: There is no good answer yet on finding a closer-in location. The Elks lodge has a field behind, and a scout troop, but we have no contacts there. The Youth Camp at the fairgrounds may be a possibility. Most locations inspire concerns about cost, security, and permissions for things we do, e.g: antennas and power cables.
- j. NCQSOP Marty W4MY; It went well. We received 300 logs. The deadline for logs is 21 March.

7. Old Business.

- a. Karl W4CHX discussed at length the status of the FM repeaters and changes that may be forthcoming. Several matters have coalesced to create problems for completion of the RARS repeater project: 1) The antenna for the 145.13

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MHz repeater is not performing as expected during transmitter operations; and, 2) RARS has been notified that the 146.64 MHz repeater needs to be moved within 6-18 months, because the NC State Highway Patrol tower will be demolished. The second item is a new and unexpected development. Danny Hampton K4ITL, Charles Durst NC4CD, Chuck DeCourt W3WZN, and Karl Bowman, W4CHX have discussed these matters and are formulating plans for their resolution. Karl W4CHX commented that RARS should consider the adverse effects of delaying any needed tasks with the goal of depending on pro bono services. Therefore, realistic estimates are being sought for completing the project on a pay-for-service basis. This will allow the RARS Board to make informed decisions based on understanding the costs and timetable for completing the RARS repeater project. Karl W4CHX reported it was important to note that all repeaters, controllers, duplexers, and interlink radios are configured and performing, as expected.

- b. Dennis NC4DK presented a certificate to Charles Good KM4AMT for his efforts with Scouting, and to Chuck Littlewood K4HF for his efforts toward the success of the Society.
- c. Club shirts – Murray K4MHM: Supreme Shirts design work has been slowed down by the vendor due to family problems. A color proof was expected today but it didn't arrive. Vendor will provide a sample shirt of the design plus samples of various sizes. He should have them by next club meeting. Costs will be covered by purchasers of the shirts.

The next Board meeting will be Tuesday April 19, at 7:00 p.m.

The meeting was adjourned by the President NC4DK at 8:39 p.m.

Respectfully submitted,

Robert E Chapman NC1X

RARS Secretary

MINUTES

Raleigh Amateur Radio Society General Membership Meeting April 12, 2016

1. The meeting was called to order at 7:34 pm by President Dennis Keith, NC4DK
2. Minutes from the March meeting were approved as published.
3. Treasurer Greg, KE4PAX, reported that RARS currently has 427 members
4. Announcements were made in reference to the RARS dinner on May 3rd, at 6:30 pm at Golden Corral on Glenwood Avenue
5. The next RARS Board meeting is on April 19th. All are welcome to attend.
6. The after-meeting gathering will be at Applebee's on Hillsborough Street.
7. The following guests were present, Bert Michaud, N4CW; Gary O'Neil, N3GO; Rob Katz, K4OV; and Pamela Kelly, (no call).
8. Guest Pamela Kelly made an announcement about her group, Preparedness Strong, to advocate youth involvement in disaster preparedness.
9. John, AI4RT, mentioned several public service events coming up, including the WRAL Freedom Balloon Fest in Fuquay-Varina on Memorial Day weekend.
10. Dennis, NC4DK, advised that plans are underway for this years edition of ARRL Field Day on June 25th and 26th. All are invited to attend and/or participate.
11. Marty, W4MY, stated that the NC QSO Party was a large success. The logs have been tabulated and plaques are being distributed to the winners of the various classes. Marty had the plaques available for viewing by club members.
12. Door prizes were awarded to the following people: Marty, W4MY; Josh, KF4ZXK, Samuel, KA4APE; Kathleen, KM4CSF; and Bill, AK4BL.

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13. Ian, N0IAN, gave an update on RARSfest. It appears that RARSfest was again a huge success and set a recent year attendance record.

14. Rob Katz, K4OV, presented a very informative account of his participation in a DXpedition in the Bahamas (C6A) during the 2015 ARRL DX SSB contest.

15. The meeting was adjourned at 8:57 pm

Thanks to Dennis, NC4DK for the minutes.

Thanks to Charles, KM4AMT, the “RARS Brochure now available.”

On the RARS homepage, scroll down to the section that reads, “RARS Brochure now available.” Use either the “View Brochure in browser” link or the “Download Brochure” link to review a copy. Or click this link.

<http://www.rars.org/brochure.pdf>



Current Public Service Opportunities

To volunteer for a Public Service event please go to the RARS website and complete the form at the top of this page. <http://www.rars.org/public-service.php>

The Ham Public Service Net The HPS Net is on vacation, we will resume when the 2016 PS season begins. We will use the following repeaters in the Carolina 440 Link System:

*441.725(+)(100) – Raleigh, NC Hub
443.450 (+)(100) – Cane Mt., Snow Camp, NC
444.325 (+)(100) – Holly Springs, NC
444.375 (+)(100) - Henderson, NC
444.550 (+)(100) – Coats, NC
444.775 (+)(100 – Cary, NC
444.875 (+)(100) – Wendell, NC
145.330 (-)(100) – Goldsboro, NC
442.250 (+)(107.2) - McCain/Southern Pines, NC
444.200 (+)(179.9) - Johnsonville, NC
444.025 (+)(100) - Benson, NC
442.425 (+)(100) - Buxton, NC*

(The net is also accessible through IRLP Reflector 9210)

The Ham Public Service Yahoo Group link is: [Ham Public Service North Carolina](#)

Choose the event(s) for which you would like to volunteer and complete the sign-up form at the RARS website .. note... one form for EACH event that you are volunteering. We are glad you are back. <http://www.rars.org/public-service.php>

2016 RAVEN ROCK RAMBLE

May 1, 2016 - Sunday - New Hill, NC

The Raven Rock Ramble is a century (100-mile) bicycle ride that explores the four-

county area (Wake, Harnett, Lee, and Chatham) around Raven Rock State Park. Proceeds from the event benefit the UNC Kidney Center for direct patient services.

* Address: 2112 County Park Drive, New Hill, NC 27562 - Harris Lake County Park in southwest Wake County, near the Shearon Harris nuclear plant

* Ham Coordinator: John Snellen (ai4rt)

* Website: [Raven Rock](http://www.rars.org)

* **TO VOLUNTEER FILL OUT THE FORM AT <http://www.rars.org/public-service.php>**

2016 TRIANGLE TOURdeCURE

May 14-15, 2016 - Saturday &/or Sunday - Cary to Aberdeen, NC

We're celebrating the 25th Anniversary of the Tour de Cure and we want you to be a part of this incredible day. Since 1991, Tour de Cure riders have raised over \$250,000,000 to help advance our mission and move us closer towards the ultimate goal to Stop Diabetes! The Triangle Tour de Cure gives you a 1 or 2 day ride option down Old US 1 through horse country.

This is a large cycling event (800+ riders) and we need many ham volunteers for SAGs, rest stop monitors and other event related duties. Volunteers may choose either Sat., Sun., or both days. The cyclists ride from Cary to Aberdeen on Sat., spend the night and return to Cary on Sun.

* Ham Coordinator: Bill Cole (kg4cxy)

* Start/Finish: Trinity Partners Campus, 100 Regency Forest Dr., Cary, NC 27518

* Website: [Tour de Cure](http://www.tourdecure.org)

* **TO VOLUNTEER FILL OUT THE VOLUNTEER FORM AT <http://www.rars.org/public-service.php>**

2016 FREEDOM BALLOON FEST

May 27, 28, 29, 30 - Fri, Sat, Sun, Mon - Fuquay Varina, NC

There's a lot going on at the 2016 WRAL Freedom Balloon Fest presented by Fidelity Bank...see 35 beautiful hot air balloons take to the skies over Fuquay-Varina. PLUS - More than 20 hours of live music, military equipment and interactive displays, dozens of kinds of festival food, 40,000 square feet of amusements geared for the kids, a craft beer and wine garden, and the Merchant, Arts & Crafts Village.

This is a very large event, prox 65,000 attendees expected over 4 days of events. Ham volunteers are needed for 4.5 hour shifts Fri - Mon to operate the net control/ message handling function in the Wake County Mobile Command Center. You will be working alongside the Fuquay Varina Police Dept.

* Ham Coordinator: John (ai4rt)

* Event Website: <http://www.wralfreedomballoonfest.com/>

* **To Volunteer GO TO:** [Balloon Fest Sign-Up](#)

Future RARS 2016 Meeting Topics

Titles, topics, and speakers subject to change.

6/14/2016	Field Day	Dennis Keith, NC4DK
7/12/2016	Global Weather models	TC Moore
8/9/2016	Antenna Modeling	Fred Benson, NC4FB

Deepest Sympathies

From the N & O we learn of the passing of Gary Coffey, K4AVC of Morehead City, NC on April 27, 2016. Gary was a RARS Member and moved to Morehead city several years ago. Our sympathies are with his family and friends.

[News & Observer obituary link.](#)

<http://www.mundenfuneralhome.net/notices/Gary-Coffey>

73, Chuck, K4HF

RARS Classifieds

Copied from www.rars.org/classifieds.php

The items below were listed within the last 30 days on the RARS website.

Alpha 9500

Posted April 7th, 2016 by: K1ZW

Contact: lclarks@nc.rr.com

For Sale-Alpha 9500 fully automatic 1500 watt amplifier \$4800.

This Alpha 9500 is in excellent condition, I am the third owner and have used it very little for some DX. It has all the latest upgrades, about \$1000 I have the bill with parts listed. It perks along at 1500 with no strain. You must pick it up, I have original packing and manual, Plus W6ON Elite dust cover.

\$4800 , phone number 919-475-3024

K1ZW, Larry, N. Durham

Yaesu FT-450D

Posted April 5th, 2016 by: NC4EN

Contact: nc4en@arrl.net

I am selling my Yaesu FT-450D including original box and manual, CAT/programming cable and software, band data cable (modified but you can put it back), power cord, and microphone. It is a few years old and I am selling it just because it has been replaced by an FT-991. \$475.

1 Lot Kenwood Radios - \$1,100

Posted April 3rd, 2016 by: W2PAU

Contact: jim.w2pau@gmail.com

Didn't find what you were looking for at RARSfest? Selling my Kenwood Collection plus an MFJ Antenna Tuner. Looking to sell as 1 lot. \$1,100. Thanks for looking. Will provide pictures as requested. Everything is in excellent condition. I'm the second or third owner on the VHF/UHF radios, the second owner on the TS-830s (I personally know the original owner) and the original owner of the MFJ-949c an-

RARS Classifieds continued

tenna tuner. The TS-830s comes with the MC-50 desk mic, while the TS711a and TS811a come with a Kenwood hand mic.

Email me at jim.w2pau@gmail.com or call/text at 262-235-0310 (yep a WI number but believe me I've lived in Clayton for 21 years!).

TS-830s Features, • 160-10 meters, • WARC Bands, • Notch Filter, • Noise Blanker and a lot more.

The Kenwood TS-830S follows in the tradition of the successful TS-820S. It is designed for SSB and CW modes in the 160 through 10 meter ham bands, and additionally includes the 30, 17 and 12 meter WARC bands. Power input is 220 watts PEP SSB and 180 watts DC CW. (Basically 100 watts output). The finals are a pair of 6146B tubes. (This transceiver does not have general coverage receive). AC PS built-in. includes a Kenwood MC-50 desk mic.

TS-711a Features, • All Mode 144-148 MHz, • 40 Memories, • RIT, • IF Shift, and a lot more.

The Kenwood TS-711A 2 meter multimode transceiver with advanced features such as DCS digital Code Squelch, 10 Hz dual digital VFOs, 40 multifunction memories, memory scan, sweep, IF shift, noise blanker and all-mode squelch. Other enhancements include built in TCXO, keypad entry and speech processor. Power output is continuously adjustable from 2 to 25 watts. AC PS built-in. Includes a Kenwood hand mic. The TU-5 CTCSS tone unit is installed.

TS-811a Features, • All Mode 430-450 MHz, • 40 Memories, • RIT, • IF Shift and a lot more.

The Kenwood TS-811A 70 centimeter multimode transceiver with advanced features such as DCS digital Code Squelch, 10 Hz dual digital VFOs, 40 multifunction memories, memory scan, sweep, IF shift, noise blanker and all-mode squelch. Other enhancements include built in TCXO, keypad entry and speech processor. Power output is continuously adjustable from 2 to 25 watts. AC PS built-in. Includes a Kenwood hand mic. The TU-5 CTCSS tone unit is installed.

MFJ-949c Deluxe Versa Tuner II Features, • Covers 80-10 meters, • Rated at up to 300 watts and a lot more.

		
EDITOR: C. T. WEST, WD4HSI 1611 Craig Street Raleigh, N. C.	CLUB REPEATER: WR4ACF (146.04/64) CLUB CALL: W4DW	  
"RALEIGH AMATEUR RADIO SOCIETY NEWS"		

FEBRUARY 1978

ISSUE 100

RARS NEWS 100 MONTHS OLD

RARS News, with this February 1978 issue, is 100 months old.

It's a good time to consider what we are about.

The club has done much. We are coming up on our sixth annual ham-fest in April. Members monthly conduct free message relay activities for the public at Crabtree Valley Mall and North Hills Mall in Raleigh.

Special projects have included:

- a mobile station aboard a railroad steam engine.
- a commemorative station at Kitty Hawk in honor of the birth of manned flight.
- sending Christmas messages to

governors of other states from the governor of North Carolina.

- providing communication for a statewide Christmas tree lighting ceremony by Gov. Bob Scott.

RARS has conducted novice classes to enable newcomers to get their FCC licenses. The club has also conducted upgrading classes to enable members to acquire higher class licenses.

RARS established a two meter repeater, WR4ACF. Club members designed and constructed a second generation repeater.

Some of our members along the way became Silent Keys, among them former Raleigh Mayor Jim Reid.

RARS members of today have many miles to go and many things to do before they sleep.

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Page two of the February 1978 Exciter

The best is yet to come for our club. We have many good people with many good ideas. All it takes to make RARS better every year is for members to say "I will" when asked to take a more active part in the greatest hobby in the world.

Will you?

C. T. West, WD4HSI
Editor

HELP FROM RARS MEMBERS "MAKES THE SUN RISE, EVEN THROUGH CLOUDS"

by

Jesse Hodges, W4JG

Our senior club member Ross Reynolds, W4BRT, has periodically experienced problems with his rig. Ross, as some know, is bothered by a few physical difficulties and cannot do any service work.

His son Ross, Jr., K3USQ, and friends "G.E. Hotline" on 3840 kHz have sent words of appreciation and gratitude to RARS. This because of the efforts of Lynn Pendleton, K4NYV; Jim Peeler, WA4YOM; Bob Corns, K4MC; and several other members.

Keeping "Dad," W4BRT, in touch with his son and friends on their morning schedule makes the sun rise, even through clouds.

(Ed. note: Jesse is too modest to say he is included among the "other members" who keep Ross's rig going.)

RON OATES RECEIVES 5BWAS PLAQUE

Ron Oates, AA4VK (ex-WA4JWT) told RARS News he has received a plaque from American Radio Relay League (ARRL) for working all states on five bands (5BWAS).

RARS members join in congratulating Ron on his accomplishment.

And in asking, "How did he do that?"

(Answer: With much energy and enthusiasm.)



FEBRUARY 1, 1978

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(EDATUR)

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THIS PAGE WAS RESERVED FOR THE ARTICLE
YOU WERE GOING TO WRITE. WITHOUT YOUR
HELP, THE EDITOR WILL HAVE SOME
EMPTY SPACE. WILL YOUR STORY BE
IN THIS SPACE NEXT MONTH?